CLAIMS:

1. A feed belt containing high hardness particles in an elastic material, characterized in that said high hardness particles can project from a feed surface by elasticity of said elastic material when a member to be fed is fed, and the projecting amount is varied according to the shape or hardness of said member to be fed.

2. A feed belt in which 10 to 70 weight % of high hardness particles having a particle diameter of 3 to 300μm are contained in an elastic material having a hardness corresponding to rubber hardness 15 to 90.

3. The feed belt according to claim 2, wherein a filament is disposed in a central portion of the belt.

4. The feed belt according to claim 2, wherein a filament is disposed on the driving surface side.

5. A feed belt comprising a base material layer formed of an elastic material, and a high hardness particle containing layer containing high hardness particles in the elastic material, characterized in that said high hardness particles can project from a feed surface by elasticity of said elastic material when a member to be fed, and the projecting amount is varied according to the shape or hardness of said member to be fed.

6. A feed belt comprising a base material layer formed of an elastic material having a hardness corresponding to rubber hardness 15 to 90, and a high hardness particle containing layer containing 10 to 70 weight % of high hardness particles having a particle diameter of 3 to 300 μm in the elastic material having a hardness corresponding to rubber hardness 15 to 90.

7. The feed belt according to claim 6, wherein a filament is disposed in a central portion of the belt, said base material layer being formed on the driving surface side, said high hardness particle containing layer being formed on the feed surface side.

8. The feed belt according to claim 5, wherein a filament is disposed on the driving surface side.

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